HW#25Ha: Area/Perimeter Triangles

Honors Geometry

Due Date: Thursday, Oct. 23rd

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

**Failure to show work on all problems or use complete sentences will result in a LaSalle.**

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| 1) | 2) |
| 3) The area of a triangle is 578 cm2. Its base is four time the length of its height. Find the height and base of the triangle. | 4) Find the area of the figure below: |
| 6) In the square below, 1 ft by 1 ft corners have been cut out. Find the perimeter and area of the remaining figure.  5  1  Perimeter: \_\_\_\_\_\_  Area: \_\_\_\_\_\_\_ | 7) Find the measure of Angle E: |
| 8) A farmer ties his goat to a stake in the ground outside of the barn to keep it from chewing on the fencing. When attached to the stake, the goat can eat grass that is 12 feet or less from the stake in any direction. If the farmer leaves the goat out all day and it eats every piece of grass it can reach, what is the area of lawn the goat destroyed? (draw a picture!) | |

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9) Three times the width of a certain rectangle exceeds twice its length by three inches, and four times its length is twelve more than its perimeter. Find the dimensions of the rectangle.

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